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SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800

Rev. 3/19/2007 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 22511.

Date 7/10/07 Serial # 10/797,867 Priority Application Filing Date 12/31/03Your Name Milewis Examiner # 73172AU 2822 Phone 202-1831 Room 5A39

In what format would you like your results? Paper is the default. PAPER DISK EMAIL

If submitting more than one search request form, please prioritize the searches in order of need.

Where have you searched so far on this case?

Circle: USPAT USGPUB DWPI EPO Abs JPO Abs IBM TDB

Other:

What relevant art have you found so far? Please attach citations or Information Disclosure Statements.

What types of references would you like? Please checkmark:

Primary Refs _____ Nonpatent Literature _____ Teaching Refs _____
Secondary Refs _____ Foreign Patents _____ Other _____

If this is a "Fast & Focused Search" request, put a checkmark here:

And then please speak in-person immediately with the
EIC2800 Technical Information Specialist or with an EIC2800 Searcher.A "Fast & Focused Search" is completed in 2 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2800 and on the STIC NPL Web Page at <http://uspto-a-patrr-2/siraapps/stic/npl/nplsearch.htm>

In your own words, what is the topic, such as the novelty, motivation, utility, or other specific facets defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims 12, 13 & 22
Plasma display panelProblem: 3 papers 1-3
Solution: 11 11 3 & C7,098,594
2002019353 (Korean Pub)

Staff Use Only

Searcher: Michael AllenSearcher Phone: 571-272-2663

Searcher Location: STIC-EIC2800, JEF-4B68

Date Searcher Picked Up: 7/16/2007Date Completed: 7/17/2007Searcher Prep/Rev Time: 89Online Time: 177

Type of Search

Structure (#) _____

Bibliographic ☒

Litigation _____

Fulltext _____

Patent Family ☒Other ☒

Vendors

STN _____

Dialog ☒

Questel/Orbit _____

Lexis-Nexis _____

WWW/Internet _____

Other EAST* See Attached
Last Page

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[File 2] INSPEC 1898-2006/Jan W2
 [File 6] NTIS 1964-2006/Jan W4
 [File 8] Ei Compendex(R) 1970-2006/Jan W4
 [File 34] SciSearch(R) Cited Ref Sci 1990-2006/Jan W4
 [File 434] SciSearch(R) Cited Ref Sci 1974-1989/Dec
 [File 35] Dissertation Abs Online 1861-2006/Jan
 [File 65] Inside Conferences 1993-2006/Jan W5
 [File 99] Wilson Appl. Sci & Tech Abs 1983-2006/Apr
 [File 144] Pascal 1973-2006/Jan W2
 [File 23] CSA Technology Research Database 1963-2006/Jan
 [File 103] Energy SciTec 1974-2006/Jan B1
 [File 31] World Surface Coatings Abs 1976-2006/Jan
 [File 95] TEME-Technology & Management 1989-2006/Jan W5
 [File 57] Electronics & Communications Abstracts 1966-2006/Aug
 [File 68] Solid State & Superconductivity Abstracts 1966-2006/Jan
 [File 60] ANTE: Abstracts in New Tech & Engineer 1966-2006/Jan
 [File 293] Engineered Materials Abstracts 1966-2006/Jan
 [File 239] Mathsci 1940-2005/Feb
 [File 256] TECINFOSOURCE 82-2005/DEC

Set Items Description

S1 955555 S LCD OR L()C()D OR LIQUID()CRYSTAL() (DISPLAY????? OR PANEL????? OR MATRI????? OR SCREEN?????) OR (FLAT OR PASSIV??? OR ACTIV???) (2N) (DISPLAY????? OR PANEL????? OR MATRI????? OR SCREEN?????) OR LIQUID(2N)CRYSTAL OR LCM OR L()C()M OR DISPLAY(2N) (MEANS OR DEVICE? ? OR APPARATUS OR APPT? ?) OR FED OR F()E()D OR FIELD() (EMIS????? OR EMIT?????) () (DISPLAY????? OR PANEL????? OR MATRI????? OR SCREEN?????) OR PDP OR P()D()P OR PLASMA(2N) (DISPLAY????? OR PANEL????? OR MATRI????? OR SCREEN?????) OR TFT OR T()F()T OR THIN()FILM()TRANSISTOR OR FET OR F()E()T OR FIELD()EFFECT()TRANSISTOR?????

S2 19198501 S SUBSTRATE OR MATERIAL??? OR SUPPORT????? OR WAFER????? OR SURFAC????? OR SUBSTANC?????

S3 15990735 S (BUS OR PATH????? OR PATH()WAY CHANNEL???) (3N) (ELECTROD??? OR PROB????? OR CONDUCT????? OR ANOD????? OR CATHOD???) OR ELECTROD??? OR PROB????? OR CONDUCT????? OR ANOD????? OR CATHOD??? OR BUS OR PATH????? OR PATH()WAY OR CHANNEL???

S4 26369649 S MARK????? OR PATTERN????? OR DESIGN????? OR LOGO??? OR EMBLEM????? OR SCOR????? OR LINE??? OR STRIP????? OR INSIGN????? OR INDIC????? OR TEMPLAT??? OR CONFIGUR??????? OR LAYOUT OR LAY()OUT OR LATTIC????? OR MATRI?????

S5 24237391 S LINE??? OR SEGMENT????? OR PART????????? OR AREA????? OR REGION??????? OR LINE()SEGMENT???

S6 191351 S (ISOLAT????? OR INDEPEN????? OR SEPARAT????? OR SUPPORT????? OR DEPEND?????) (3N) (BUS OR ELECTROD??? OR CHANNEL??? OR PATH????? OR PATH()WAY)

S7 745798 S (PREDETERMIN??????? OR PRESCRIB????? OR SET OR PREDEFINE????? OR FIXED OR PRESELECT????? OR SELECT????? OR DEFIN????? OR CALCULAT????? OR ESTIMAT????? OR DETERMIN????? OR SPECIF????? OR PRECIS????? OR DEFIN????? OR ESTABLISH????? OR CERTAIN OR PREDICT????? OR MAINTAIN?????) (3N) (ASSEMB????? OR POSITION????? OR REFERENC????? OR LOCAT????? OR DIRECT???)

S8 499174 S HEX??????? OR HONEYCOMB??? OR HONEY()COMB??? OR HEXA???????()HONEYCOMB??? OR HEX???????()HONEY()COMB??? OR RHOMB?????

S9 73104 S (PARALLEL??? OR LATERAL?????) (3N) (SEGMENT????? OR REGION????? OR AREA??? OR SECTION????? OR PART???????)

S10 47482 S (BLACK OR NOIR) (2N) (MATRI????? OR ARRAY????? OR MESH??? OR PATTERN?????) OR NON()TRANSPARENT OR NON()TRANSLUCENT OR OPAQUE

S11 1947790 S RIB OR RIBB????? OR SPACER OR RIDG??? OR FRAM?????

S12 0 S S1 AND S2 AND S3 AND S4 AND S5 AND S6 AND S7 AND S8 AND S9 AND S10 AND S11

S13 0 S S1(3N)S3(3N)S6(3N)S7

S14 74 S S1 AND S3 AND S6 AND S7

S15 28 S S14 AND S4

S16 15 RD (unique items)

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S17	34	S S14 AND S5
S18	0	S S17 AND S8
S19	0	S S17 AND S9
S20	0	S S17 AND S10
S21	0	S S17 AND S11
S22	9222	S (IMPROV??? OR OPTIM??? OR EXEL??? OR BETTER) (3N)ALIGN????
S23	0	S S14 AND S22
S24	8	S S14 AND ALIGN????
S25	5	RD (unique items)
S26	0	S S1 AND S4(3N)S5 AND S6(3N)S7
S27	702	S S3 AND S4 AND S5 AND S6 AND S7
S28	13	S S1 AND S27
S29	7	RD (unique items)
S30	19	S S1(3N)S4(3N)S22
S31	11	RD (unique items)
S32	4	S S25 NOT S16
S33	6	S S28 NOT (S16 OR S25)
S34	0	S S29 NOT (S16 OR S25)
S35	11	S S31 NOT (S16 OR S25 OR S29)
S36	26	S S17 NOT (S16 OR S25 OR S29 OR S31)
S37	10	RD (unique items)

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[File 344] Chinese Patents Abs Jan 1985-2006/Jan
[File 347] JAPIO Nov 1976-2005/Sep(Updated 060103)
[File 350] Derwent WPIX 1963-2007/UD,UM &UP=200744
[File 371] French Patents 1961-2002/BOFI 200209

Set	Items	Description
S1	1448152	S LCD OR L()C()D OR LIQUID()CRYSTAL() (DISPLAY????? OR PANEL????? OR MATRI????? OR SCREEN?????) OR (FLAT OR PASSIV??? OR ACTIV???) (2N) (DISPLAY????? OR PANEL????? OR MATRI????? OR SCREEN?????) OR LIQUID(2N)CRYSTAL OR LCM OR L()C()M OR DISPLAY(2N) (MEANS OR DEVICE? ? OR APPARATUS OR APPT? ?) OR FED OR F()E()D OR FIELD() (EMIS????? OR EMIT?????) () (DISPLAY????? OR PANEL????? OR MATRI??????? OR SCREEN?????) OR PDP OR P()D()P OR PLASMA(2N) (DISPLAY????? OR PANEL????? OR MATRI????? OR SCREEN?????) OR TFT OR T()F()T OR THIN()FILM()TRANSISTOR OR FET OR F()E()T OR FIELD()EFFECT()TRANSISTOR?????
S2	957997	S (FRONT??? OR REAR????? OR BACK????? OR TOP OR BOTTOM OR TOPMOST OR OPPOS?????) (3N) (SUBSTRATE OR MATERIAL??? OR SUPPORT????? OR WAFER????? OR SURFAC????? OR SUBSTANC?????)
S3	7126723	S (BUS OR PATH????? OR PATH()WAY CHANNEL?????) (3N) (ELECTROD??? OR PROB????? OR CONDUCT????? OR ANOD????? OR CATHOD?????) OR ELECTROD??? OR PROB????? OR CONDUCT????? OR ANOD????? OR CATHOD??? OR BUS OR PATH????? OR PATH()WAY OR CHANNEL???
S4	5624445	S MARK????? OR PATTERN????? OR DESIGN????? OR LOGO??? OR EMBLEM????? OR SCOR????? OR LINE??? OR STRIP????? OR INSIGN????? OR INDIC????? OR TEMPLAT??? OR CONFIGUR????? OR LAYOUT OR LAY()OUT OR LATTIC????? OR MATRI?????
S5	9671359	S LINE??? OR SEGMENT????? OR PART??????? OR AREA????? OR REGION??????? OR LINE()SEGMENT???
S6	143073	S (ISOLAT????? OR INDEPEN????? OR SEPARAT????? OR SUPPORT????? OR DEPEND?????) (3N) (BUS OR ELECTROD??? OR CHANNEL??? OR PATH????? OR PATH()WAY)
S7	1106806	S (PREDETERMIN??????? OR PRESCRIB????? OR SET OR PREDEFINE????? OR FIXED OR PRESELECT????? OR SELECT????? OR DEFIN????? OR CALCULAT????? OR ESTIMAT????? OR DETERMIN????? OR SPECIF????? OR PRECIS????? OR DEFIN????? OR ESTABLISH????? OR CERTAIN OR PREDICT????? OR MAINTAIN?????) (3N) (ASSEMB????? OR POSITION????? OR REFERENC????? OR LOCAT????? OR DIRECT?????)
S8	921849	S HEX??????? OR HONEYCOMB??? OR HONEY()COMB??? OR HEXA??????? ()HONEYCOMB??? OR HEX??????? ()HONEY()COMB??? OR RHOMB????? OR MATRI????? OR ARRAY???
S9	1529329	S RIB OR RIBB????? OR SPACER OR RIDG??? OR FRAM?????
S10	130691	S (PARALLEL??? OR LATERAL?????) (3N) (SEGMENT????? OR REGION????? OR AREA??? OR SECTION????? OR PART???????)
S11	54497	S (BLACK OR NOIR) (2N) (MATRI????? OR ARRAY????? OR MESH??? OR PATTERN?????) OR NON()TRANSPARENT OR NON()TRANSLUCENT OR OPAQUE
S12	7289	S IC=(H01J-017/00 OR H01J-017/49)
S13	9510	S MC=(V05-A01A3 OR V05-A01D1 OR V05-A01D3)
S14	0	S S1 AND S2 AND S3 AND S4 AND S5 AND S6 AND S7 AND S8 AND S9 AND S10 AND S11
S15	1546	S S1(3N)S5(3N)S7
S16	114	S S15 AND S2
S17	63	S S16 AND S3
S18	39	S S17 AND S4
S19	8	S S18 AND S6
S20	16	S S18 AND S8
S21	3	S S18 AND S9
S22	7	S S18 AND S10
S23	5	S S18 AND S11
S24	2	S S17 AND S12
S25	5	S S17 AND S13
S26	1296	S S1(3N)S3(3N)S5(3N)S6
S27	228	S S26 AND S2
S28	155	S S27 AND S4
S29	18	S S28 AND S7

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S30 7 S S29 AND S8
 S31 2 S S29 AND S9
 S32 21 S S28 AND S9
 S33 3 S S29 AND S10
 S34 15 S S28 AND S10
 S35 5 S S28 AND S11
 S36 8132 S (IMPROV??? OR OPTIM??? OR EXEL??? OR BETTER) (3N)ALIGN????
 S37 2 S S28 AND S36
 S38 0 S S16 AND S36
 S39 5 S S26 AND S36
 S40 3 S S21 NOT S19
 S41 5 S S22 NOT (S19 OR S21)
 S42 2 S S23 NOT (S19 OR S21 OR S22)
 S43 0 S S24 NOT (S19 OR S21 OR S22 OR S23)
 S44 2 S S25 NOT (S19 OR S21 OR S22 OR S23 OR S24)
 S45 4 S S30 NOT (S19 OR S21 OR S22 OR S23 OR S24 OR S25)
 S46 1 S S31 NOT (S19 OR S21 OR S22 OR S23 OR S24 OR S25 OR S30)
 S47 1 S S33 NOT (S19 OR S21 OR S22 OR S23 OR S24 OR S25 OR S30 OR S31)
 S48 5 S S35 NOT (S19 OR S21 OR S22 OR S23 OR S24 OR S25 OR S30 OR S31 OR S33)
 S49 2 S S37 NOT (S19 OR S21 OR S22 OR S23 OR S24 OR S25 OR S30 OR S31 OR S33 OR S35)

 S50 3 S S39 NOT (S19 OR S21 OR S22 OR S23 OR S24 OR S25 OR S30 OR S31 OR S33 OR S35 OR S37)

 S51 9 S S20 NOT (S19 OR S21 OR S22 OR S23 OR S24 OR S25 OR S30 OR S31 OR S33 OR S35 OR S37 OR S39)

 S52 7 S S29 NOT (S19 OR S21 OR S22 OR S23 OR S24 OR S25 OR S30 OR S31 OR S33 OR S35 OR S37 OR S39 OR S20)

 S53 12 S S34 NOT (S19 OR S21 OR S22 OR S23 OR S24 OR S25 OR S30 OR S31 OR S33 OR S35 OR S37 OR S39 OR S20 OR S29)

 S54 17 S S32 NOT (S19 OR S21 OR S22 OR S23 OR S24 OR S25 OR S30 OR S31 OR S33 OR S35 OR S37 OR S39 OR S20 OR S29 OR S34)

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[File 342] Derwent Patents Citation Indx 1978-07/200704

s pn=us 7098594

S1 1 S PN=US 7098594

map pn/ct=

SearchSave "SC533" stored

1 Select Statement, 6 Search Term(s)

SearchSave SC533

1 SearchSave(s), 6 Search Term(s)

ex

EX: S CT=CN 1518035 + CT=JP 2004228071 + CT=KR 2004067258 + CT=KR 502910 +
CT=US 2004169473 + CT=US 7098594

0	CT=CN 1518035
0	CT=JP 2004228071
0	CT=KR 2004067258
0	CT=KR 502910
1	CT=US 2004169473
0	CT=US 7098594

S2 1 S CT=CN 1518035 + CT=JP 2004228071 + CT=KR 2004067258 + CT=KR
502910 + CT=US 2004169473 + CT=US 7098594

>>>E: New set 2 is not less than the last set: 2

map pn

SearchSave "SC534" stored

1 Select Statement, 2 Search Term(s)

SearchSave SC534

1 SearchSave(s), 2 Search Term(s)

[File 344] Chinese Patents Abs Jan 1985-2006/Jan**[File 347] JAPIO Nov 1976-2005/Sep(Updated 060103)****[File 350] Derwent WPIX 1963-2007/UD,UM &UP=200744****[File 371] French Patents 1961-2002/BOPI 200209**

Set	Items	Description
S1	1	PN=US 2005134175 + PN=US 7045963

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"7098594"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/17 12:41
L2	8	("20010040539" "20020021090" "5182489" "6090464" "6373195" "6376986" "6806645" "6853136").PN. OR ("7098594").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 13:11
L3	14297	plasma adj display adj panel	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 13:12
L4	14285	plasma adj display adj panel	US-PGPUB; USPAT	OR	ON	2007/07/17 13:12
L5	31549	line adj segment	US-PGPUB; USPAT	OR	ON	2007/07/17 13:13
L6	113469	(isolat\$4 or independent or dependent or separat\$4) near3 (bus or electrode)	US-PGPUB; USPAT	OR	ON	2007/07/17 13:26
L7	11	4 and 5 and 6	US-PGPUB; USPAT	OR	ON	2007/07/17 13:26

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"7098594"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/07/17 12:41
L2	8	("20010040539" "20020021090" "5182489" "6090464" "6373195" "6376986" "6806645" "6853136").PN. OR ("7098594"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 13:11
L3	14297	plasma adj display adj panel	US-PGPUB; USPAT; USOCR	OR	ON	2007/07/17 13:12
L4	14285	plasma adj display adj panel	US-PGPUB; USPAT	OR	ON	2007/07/17 13:12
L5	31549	line adj segment	US-PGPUB; USPAT	OR	ON	2007/07/17 13:13
L6	113469	(isolat\$4 or independent or dependent or separat\$4) near3 (bus or electrode)	US-PGPUB; USPAT	OR	ON	2007/07/17 13:26
L7	11	4 and 5 and 6	US-PGPUB; USPAT	OR	ON	2007/07/17 13:35
L8	37	4 near3 6	US-PGPUB; USPAT	OR	ON	2007/07/17 13:35
L9	37	8 not 7	US-PGPUB; USPAT	OR	ON	2007/07/17 13:36